

CLAIMS

What is claimed is:

1. An electrode structure for a light-emitting element, said
5 electrode structure comprising:

a first electrode having a plurality of first fingers paralleling with each other, a first connective part, and at least one first contact part, wherein each said plurality of first fingers has a first end and a second end, said plurality of first ends connect to said first connective part, said first contact part interposes between any said first end and
10 said first connective part; and

a second electrode having a plurality of second fingers paralleling with each other, a second connective part, and at least one second contact part, wherein each said plurality of second fingers has
15 a third end and a fourth end and is between any said two adjacent first fingers, said plurality of third ends connect to said second connective part, said second contact part interposes between any said third end and said second connective part,

wherein said second electrode defines a plurality of hexagonal
20 units among said plurality of second ends, each said plurality of hexagonal units shares four sides to adjacent hexagonal units and said four sides include two said second fingers and said second connective part, each said second end extends to a center of each said hexagonal unit.

2. The electrode structure according to claim 1, wherein said plurality of first fingers paralleling with each other are paralleled and interlaced to said plurality of second fingers paralleling with each other.

3. The electrode structure according to claim 1, while there are plurality of said first contact parts, each said first contact part interposes between any said first end and said first connective part at intervals.

4. The electrode structure according to claim 1, while there are plurality of said second contact parts, each said second contact part interposes between any said third end and said second connective part at intervals.

5. The electrode structure according to claim 1, wherein said four sides further include an odd number of said second contact part.

6. The electrode structure according to claim 1, wherein said four sides further include an even number of said second contact part.

7. An electrode structure for a light-emitting diode (LED), said electrode structure comprising:

a first electrode having a plurality of first fingers paralleling with each other, a first connective part, and at least one first contact part, wherein each said plurality of first fingers has a first end and a second end, said plurality of first ends connect to said first connective part, said first contact part interposes between any said first end and said first connective part; and

a second electrode having a plurality of second fingers paralleling with each other, a second connective part, and at least one second contact part, wherein each said plurality of second fingers has a third end and a fourth end and is between any said two adjacent first fingers, said plurality of third ends connect to said second connective part, said second contact part interposes between any said third end and said second connective part,

wherein said second electrode defines a plurality of hexagonal units among said plurality of said second ends, each said plurality of hexagonal units shares four sides to adjacent hexagonal units and said four sides include two said second fingers and said second connective part, each said second end extends to a center of each said hexagonal unit.

8. The electrode structure according to claim 7, wherein said plurality of first fingers paralleling with each other are paralleled and interlaced to said plurality of second fingers paralleling with each other.

9. The electrode structure according to claim 7, while there are plurality of said first contact parts, each said first contact part interposes between any said first end and said first connective part at intervals.

10. The electrode structure according to claim 7, while there are plurality of said second contact parts, each said second contact part interposes between any said third end and said second connective part at intervals.

11. The electrode structure according to claim 7, wherein said four sides further include an odd number of said second contact part.

12. The electrode structure according to claim 7, wherein said four sides further include an even number of said second contact part.